

Introduction to the On-line Math Toolkit

General Information:

Welcome to *ABE Online Math Toolkit*. Plan about eight hours to complete this course.

Registration Information

To register and begin the class, please contact Carol Mundt at mundcaro@isu.edu. Once you are registered, you will return to this site, www.sde.state.id.us/certification/AdultEd.asp and click on the Online Math Toolkit in the menu. It is important to register so that your ABE Director is aware that you've attended and completed this course.

Follow-up Questions and Answers

Please read and complete each of the following units: # 1- 11. Upon completion of the reading, please submit the answers to the questions to

Judi Fadness at judiabe@hotmail.com or Melody Clegg at clegmelo@isu.edu. Carol Mundt will let you know which one, Judi or Melody, is assigned to your region.

Your answers will be reviewed, and your director will be notified upon successful completion. You may be asked to further explain an answer before your completion. Several extra helps are added as the appendices. No assignments are required from the appendices.

The more tools instructors have the greater potential of success they may pass on to their learners. Many of the applications can be done quickly with your learners to help facilitate their further understanding of the basic concepts in math. Students learn differently and they may need different explanations of same concept. It will take instructors time to practice and master each so that they can teach the concepts with confidence. Most of the concepts are basic and sometimes taken for granted, but nothing should be assumed. It only takes a couple of minutes to show a learner that multiplication is five groups of six for example, and the learner suddenly understands the process clearly. When a learner is missing or lacking the understanding of a concept, then that is the time to teach the concept, regardless of the learner's level.

Geometry, algebra, measurement, and data analysis can all be taught while teaching whole numbers, decimals, and fractions just as the reverse can occur and is encouraged. Enjoy and explore the research and applications, visit the suggested web sites, and help your learners enjoy and maybe be less afraid of math once you spend time with them investigating the possibilities of mathematics.

Judi Fadness
Melody Clegg